

WHAT IS CLAIMED IS:

1. A portable curing system comprising, in combination:
a carrying case;
a controller located within the carrying case and having a microprocessor;
a vacuum pump located within the case and having at least one vacuum port for connection of a vacuum line;
at least one heater connector for receiving a lead of an electrical heater;
at least one temperature sensor connector for receiving of a lead of thermocouple;
wherein the controller is operably connected to the vacuum pump, the heater connector and the temperature sensor connector; and
a touch-screen video display mounted within the carrying case and operably connected to the controller to display information from the controller and to input information to the controller.
2. The portable curing system according to claim 1, wherein the video display is pivotable between a stowed position and a viewing position.
3. The portable curing system according to claim 2, wherein the video display is pivotable at least ninety degrees.
4. The portable curing system according to claim 2, wherein the video display is pivotable about a generally horizontal and pivot axis laterally extending between sides of the carrying case.
5. The portable curing system according to claim 1, wherein the carrying case has main body and a lid hingedly connected to the main body.

6. The portable curing system according to claim 1, wherein the vacuum pump is a venturi vacuum pump.

7. The portable curing system according to claim 1, wherein there are at least two of the heater connectors and at least two of the temperature sensor connectors.

8. The portable curing system according to claim 7, wherein there are at least ten of the temperature sensor connectors associated with each of the heater connectors.

9. The portable curing system according to claim 1, wherein the video display is a full color graphical video display.

10. The portable curing system according to claim 1, further comprising at least one vacuum sensor connector for receiving a lead of a vacuum sensor and operatively connected to the controller.

11. A portable curing system comprising, in combination:
a carrying case;
a controller located within the carrying case and having a microprocessor;
a vacuum pump located within the case and having at least one vacuum port for connection of a vacuum line;
at least one heater connector for receiving a lead of an electrical heater;
at least one temperature sensor connector for receiving a lead of a thermocouple;
wherein the controller is operably connected to the vacuum pump, the heater connector and the temperature sensor connector;
a video display mounted within the carrying case and operably connected to the controller to display information from the controller; and
wherein the video display is pivotable between a stowed position and a viewing position.

12. The portable curing system according to claim 11, wherein the video display is pivotable at least ninety degrees.

13. The portable curing system according to claim 11, wherein the video display is pivotable about a generally horizontal and pivot axis laterally extending between sides of the carrying case.

14. The portable curing system according to claim 11, wherein the carrying case has main body and a lid hingedly connected to the main body.

15. The portable curing system according to claim 11, wherein the vacuum pump is a venture vacuum pump.

16. The portable curing system according to claim 11, wherein there are at least two of the heater connectors and at least two of the temperature sensor connectors.

17. The portable curing system according to claim 11, wherein there are at least ten of the temperature sensor connectors associated with each of the heater connectors.

18. The portable curing system according to claim 11, wherein the video display is a full color graphical video display.

19. The portable curing system according to claim 11, further comprising at least one vacuum sensor connector for receiving a lead of a vacuum sensor and operatively connected to the controller.

20. A portable curing system comprising, in combination:
a carrying case;

a controller located within the carrying case and having a microprocessor;

a vacuum pump located within the case and having at least two vacuum ports for connection of vacuum lines;

at least two vacuum sensor connectors located within the carrying case for receiving leads of vacuum sensors;

at least two heater connectors located within the carrying case for receiving leads of electrical heaters;

at least two temperature sensor connectors located within the carrying case for receiving leads of thermocouples;

wherein the controller is operably connected to the vacuum pump, the vacuum sensor connectors, the heater connectors, and the temperature sensor connectors;

a touch-screen video display mounted within the carrying case and operably connected to the controller to display information from the controller and input information to the controller; and

wherein the video display is pivotable between a stowed position and a viewing position.